

Title (en)
Receiving method and receiver

Title (de)
Empfangsverfahren und Empfänger

Title (fr)
Procédé de réception et récepteur

Publication
EP 1220463 A2 20020703 (EN)

Application
EP 01310804 A 20011221

Priority
JP 2000402958 A 20001228

Abstract (en)
A receiver is provided, in which the receiver includes K signal extraction parts, a signal estimation part, K joint probability calculation parts and a multiplying part, wherein: an i th ($1 \leq i \leq K$) signal extraction part extracts i th to K th user signals; an i th joint probability calculation part calculates a joint probability density function that any signal set in the i th to K th user signals will be obtained if i th to K th user signals estimated by the signal estimation part are assumed to be received; the multiplying part multiplies probability density functions calculated by the joint probability calculation parts; and the signal estimation part estimates first to K th user signals which maximize the multiplied value, and outputs the first to K th user signals.
<IMAGE>

IPC 1-7
H04B 1/707

IPC 8 full level
H04B 1/10 (2006.01); **H04B 1/707** (2006.01); **H04B 1/7105** (2011.01); **H04B 7/08** (2006.01); **H04B 7/26** (2006.01); **H04J 13/00** (2011.01); **H04J 13/04** (2006.01); **H04W 76/02** (2009.01); **H04W 92/10** (2009.01)

CPC (source: EP US)
H04B 1/7105 (2013.01 - EP US); **H04B 1/71057** (2013.01 - EP US)

Cited by
EP1318609A3

Designated contracting state (EPC)
DE FI GB IT SE

DOCDB simple family (publication)
EP 1220463 A2 20020703; **EP 1220463 A3 20040211**; JP 2002204192 A 20020719; JP 3808311 B2 20060809; US 2002126779 A1 20020912; US 6993064 B2 20060131

DOCDB simple family (application)
EP 01310804 A 20011221; JP 2000402958 A 20001228; US 2835701 A 20011228